

Patent 7,067,117



091150813

CFC

PATENT

IN UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,067,117

Docket No: 1543.002US1

Issue Date: June 27, 2006

Patentee: David J. Grainger et al.

Customer No.: 21186

Confirmation No.: 6933

Title COMPOUNDS AND METHODS TO INHIBIT OR AUGMENT AN
INFLAMMATORY RESPONSE

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN: CERTIFICATE OF CORRECTION BRANCH

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

Pursuant to 1.20(a), enclosed please find a check in the amount of \$100.00.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No.19-0743.

Respectfully Submitted

DAVID J. GRAINGER ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6900

Date: March 22, 2007

By:

Jane E. Embretson

Reg. No: 39,666

JEE:sj

03/26/2007 TBESHAW1 00000031 7067117

01 FC:1811

100.00 OP

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 22 day of March 2007

Kathleen Hauser
Name

Kathleen Hauser
Signature

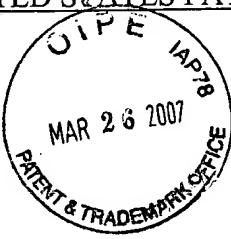
MAR 29 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David J. Grainger et al.
Patent No.: 7,067,117

Issue Date: June 27, 2006

Title: COMPOUNDS AND METHODS TO INHIBIT OR AUGMENT AN INFLAMMATORY RESPONSE



Examiner: Murphy, Joseph
Group Art Unit: 1649
Docket No: 1543.002US1

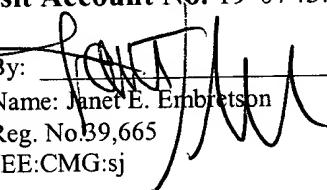
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN: CERTIFICATE OF CORRECTION BRANCH

We are transmitting herewith the attached:

- A check in the amount of \$100.00 to cover the Certificate of Correction fee.
 Request for Certificate of Correction.
 Certificate of Correction Form - PTO-1050 (in duplicate)
 A return postcard.

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
Customer No: 21186

By: 
Name: Janet E. Embretson
Reg. No. 39,665
JEE:CMG:sj

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents and Trademarks, P.O. Box 1450, Alexandria VA 22313-1450, on this 22 day of March 2007.

Kathleen Hauser
Name

Kathleen Hauser
Signature

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (1) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in field (56), under "Foreign Patent Documents", in column 2, line 10, delete "WO 86/04334 7/1986". (Repeated Entry)

On the face page, in field (56), under "Foreign Patent Documents", in column 2, line 15, delete "WO 92/04372 3/1992". (Repeated Entry)

On page 2, in field (56), under "Foreign Patent Documents", in column 1, line 7, delete "WO 94/20512 9/1994". (Repeated Entry)

On page 2, in field (56), under "Foreign Patent Documents", in column 1, line 23, delete "WO 97/24325 7/1997". (Repeated Entry)

On page 2, in field (56), under "Foreign Patent Documents", in column 1, line 36, delete "WO 98/12324 3/1998". (Repeated Entry)

On page 2, in field (56), under "Other Publications", in column 2, line 33, delete "Excape" and insert - - Escape - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 11, delete "Parmacology," and insert - - Pharmacology, - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 25, delete "Receptof" and insert - - Receptor - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 4, delete "Huamn" and insert - - Human - -, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 5, delete "Aveoli" and insert - - Alveoli - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

PATENT NO. 7,067,117

No. of additional copies

→ _____

Atty Docket No: 1543.002US1

MAR 29 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,067,117

Page (2) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 4, in field (56), under "Other Publications", in column 2, line 62, delete "Cyrstal" and insert - - Crystal - -, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 29, delete "Poetent," and insert - - Potent, - -, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 29, delete "Selecive" and insert - - Selective - -, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 46, delete "Eosinophilc" and insert - - Eosinophilic - -, therefor.

On page 5, in field (56), under "Other Publications", in column 2, line 18, delete "Ris1" and insert - - Risk - -, therefor.

On page 5, in field (56), under "Other Publications", in column 2, line 53, delete "thereapy" and insert - - therapy - -, therefor.

On page 6, in field (56), under "Other Publications", in column 2, line 22, delete "Stratagies" and insert - - Strategies - -, therefor.

On Sheet 3 of 23, in Fig. 3, delete "ACITITY" and insert - - ACTIVITY - -, therefor.

On Sheet 8 of 23, in Fig. 9, delete "ARBITARY" and insert - - ARBITRARY - -, therefor.

On Sheet 18 of 23, in Fig. 14F, line 16, after "2(1-15)" delete "[".

On Sheet 22 of 23, in Fig. 16C, delete "NORE" and insert - - NOTE - -, therefor.

In column 3, line 2, delete "formula (I):" and insert - - formula (II): - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies



MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (3) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 3, line 6, delete "V or 1," and insert -- V or 1, --, therefor.

In column 3, line 11, delete "[[(X⁴)-(Z)-(Z)-(X⁵)]_a-[W-(X¹)-(X⁶)]_b]_c" and insert -- [[(X⁴)-(Z)-(X⁵)]_a-[W-(X¹)-(X⁶)]_b] --, therefor.

In column 6, line 8, delete "NO: 99;" and insert -- NO: 99); --, therefor.

In column 6, line 9, delete "NO: 100;" and insert -- NO: 100); --, therefor.

In column 6, line 10, delete "NO: 102)" and insert -- NO: 102). --, therefor.

In column 6, line 14, delete "THP1" and insert -- THP-1 --, therefor.

In column 6, line 59, delete "NO: 89;" and insert -- NO: 89); --, therefor.

In column 7, line 24, delete "³(3-12)[MCP-1](SEQ ID NO: 27)." and insert -- 3(3-12)[MCP-1](SEQ ID NO: 27). --, therefor.

In column 7, line 32, delete "aompounds" and insert -- compounds --, therefor.

In column 7, line 62, delete "(C₃C₆)" and insert -- (C₃-C₆) --, therefor.

In column 7, line 63, delete "(C₃-C₆)alkyl," and insert -- (C₁-C₆)alkyl, --, therefor.

In column 8, line 7, delete "Rg" and insert -- R^g --, therefor.

In column 8, line 46, delete "(C₃C₆)" and insert -- (C₃-C₆) --, therefor.

In column 8, line 52, delete "(C₃C₆)" and insert -- (C₃-C₆) --, therefor.

PATENT NO. 7,067,117

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

No. of additional copies

→ _____

Atty Docket No: 1543.002US1

MAR 29 2007

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (4) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 8, line 53, delete "(C₃-C₆)" and insert - - (C₁-C₆) - -, therefor.

In column 8, line 65, delete "(C₃C₆)" and insert - - (C₃-C₆) - -, therefor.

In column 9, line 10, delete "arboxymethyl," and insert - - carboxymethyl, - -, therefor.

In column 9, line 61, delete "(C₃C₆)" and insert - - (C₃-C₆) - -, therefor.

In column 10, line 2, delete "R_r" and insert - - R_r - -, therefor.

In column 12, line 31, delete "atkyl," and insert - - alkyl, - -, therefor.

In column 12, line 33, delete "R_a and R^b, or R_c and R_d," and insert - - R^a and R^b, or R^c and R^d, - -, therefor.

In column 13, line 37, delete "N(R_c)(R_d);" and insert - - N(R^c)(R^d); - -, therefor.

In column 13, line 41, delete "R_c" and insert - - R^c - -, therefor.

In column 13, line 42, delete "R_h" and insert - - R^h - -, therefor.

In column 17, line 21, delete "(=," and insert - - (IV), - -, therefor.

In column 17, line 23, delete "(XII)," and insert - - (IX), - -, therefor.

In column 19, line 40, delete "GROa" and insert - - GRO_a - -, therefor.

In column 19, line 55, delete "CKβ08," and insert - - CKβ8, - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

JUN 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (5) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- In column 19, line 58, delete "2," and insert - - 90, --, therefor.
- In column 20, line 14, delete "PF4" and insert - - PF-4 --, therefor.
- In column 20, line 37, delete "cne" and insert - - one --, therefor.
- In column 20, line 49, delete " μ L-8]," and insert - - 2[IL-8], --, therefor.
- In column 21, line 51, delete "ther" and insert - - other --, therefor.
- In column 23, line 65, delete "calorimetric" and insert - - colorimetric --, therefor.
- In column 26, line 11, delete "R_c and R_d," and insert - - R^c and R^d, --, therefor.
- In column 26, line 11, delete "nd" and insert - - and --, therefor.
- In column 26, line 38, delete "rmula" and insert - - formula --, therefor.
- In column 26, line 49, delete "herein" and insert - - wherein --, therefor.
- In column 26, line 60, delete "(C₃-C₆)alkyl," and insert - - (C₁-C₆)alkyl, --, therefor.
- In column 27, line 12, delete "ormula" and insert - - formula --, therefor.
- In column 28, line 31, delete "14," and insert - - 14), --, therefor.
- In column 30, line 17, delete "(Ghimikar " and insert - - (Ghirnikar --, therefor.
- In column 30, line 30, delete "Rheum." and insert - - Rheum., --, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies



MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (6) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 30, line 32, delete "Pathol." and insert - - Pathol., - -, therefor.

In column 31, line 26, delete " 10^{4-10^6} " and insert - - 10^4 - 10^6) - -, therefor.

In column 31, line 50, delete "Chem." and insert - - Chem., - -, therefor.

In column 32, line 36, delete "glucosaminidase" and insert - - glucosaminidase - -, therefor.

In column 33, line 30, delete "[Ca²⁺]" and insert - - [Ca²⁺]_i - -, therefor.

In column 36, line 38, delete "Ouant." and insert - - Quant. - -, therefor.

In column 38, line 29, delete "ptimal" and insert - - optimal - -, therefor.

In column 38, line 55, delete "Kienow" and insert - - Klenow - -, therefor.

In column 39, line 48, delete "Laboratory" and insert - - Laboratory - -, therefor.

In column 39, line 56, delete "(SEQ ID:79)," and insert - - (SEQ ID NO:79), - -, therefor.

In column 39, line 57, delete "(SEQ ID NO:77," and insert - - (SEQ ID NO:77), - -, therefor.

In column 39, line 60, delete "(DEQ ID" and insert - - (SEQ ID - -, therefor.

In column 40, line 42, delete "ile₁₁" and insert - - ile₁₁ - -, therefor.

In column 41, line 7, delete "(Mac-1 antibodies)" and insert - - (Mac-1antibodies) - -, therefor.

In column 41, line 61, delete "5," and insert - - 265, - -, therefor.

PATENT NO. 7,067,117

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

No. of additional copies

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (7) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 41, line 66, delete "Nickoff et al." and insert -- Nickoff et al. --, therefor.

In column 42, line 3, delete "JCI," and insert -- (JCI, --, therefor.

In column 42, line 4, delete "(Allergy" and insert -- (Allergy, --, therefor.

In column 44, line 10, delete "wellcharacterized" and insert -- well-characterized --, therefor.

In column 45, line 18, delete "Meth," and insert -- Meth. --, therefor.

In column 45, line 22, delete "anionexchange" and insert -- anion-exchange --, therefor.

In column 47, line 35, delete "Ch₂NH" and insert -- CH₂NH --, therefor.

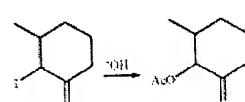
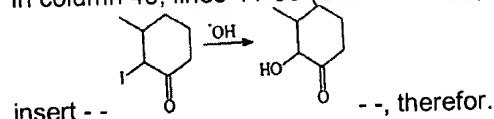
In column 47, line 37, delete "CoCH₂" and insert -- COCH₂ --, therefor.

In column 47, line 52, delete "92:39405" and insert -- 97:39405 --, therefor.

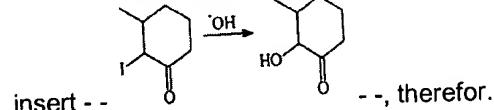
In column 48, line 17, delete "Chem." and insert -- Chem., --, therefor.

In column 48, line 27, delete "(VI)," and insert -- (VI), --, therefor.

In column 48, lines 41-50 (Structure VIIb), delete "



" and



MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

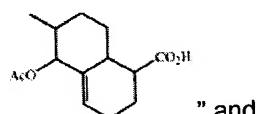
Page (8) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

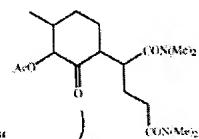
It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 49, line 38, delete "CrO₃" and insert -- CrO₃ --, therefor.



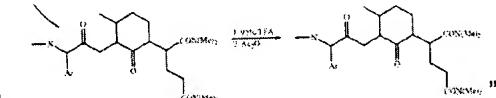
In column 49, line 41–53 (Structure X), delete "

insert -- , therefor.



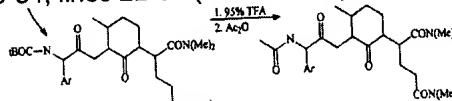
In column 53, lines 1–11 (Structure IV), delete "

insert -- , therefor.



In columns 53–54, lines 22–33 (Structure IV), delete

and insert --



MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

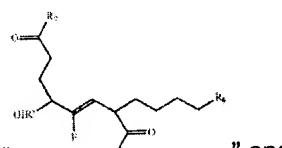
Page (9) of 11

DATED : June 27, 2006

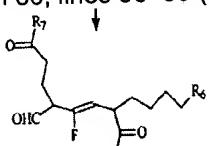
INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 56, line 20 (Structure V), delete "(5)" and insert - - (V) - -, therefor.



In column 56, lines 35-50 (Structure V), delete " " and



insert - - 21 - -, therefor.

In column 60, line 15, before "-A2" delete "41" and insert - - 41 - -, therefor.

In column 61, line 1, before "of" insert - - (- - .

In column 61, line 3, delete "epetide" and insert - - peptide - -, therefor.

In column 61, line 4, delete "ike." and insert - - like. - -, therefor.

In column 62, line 14, delete "ntibody" and insert - - antibody - -, therefor.

In column 62, line 16, delete "lycosylation" and insert - - glycosylation - -, therefor.

In column 62, line 25, delete "KA" and insert - - K_A - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (10) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 65, line 34, delete "SDF-I" and insert - - SDF-1 - -, therefor.

In column 65, line 65, delete "(Example 0.5)," and insert - - (Example 5), - -, therefor.

In column 67, line 50, delete "sclero" and insert - - sclerosis - -, therefor.

In column 67, line 52, delete "Ser₇Glu₉" and insert - - Ser₇Glu₈Glu₉ - -, therefor.

In column 71, line 1, delete "14," and insert - - 145, - -, therefor.

In column 80, line 1, delete "THP1" and insert - - THP-1 - -, therefor.

In column 82, line 62, delete "MIP-1^o" and insert - - MIP-1^a - -, therefor.

In column 86, line 55, delete "X₄," and insert - - X₄, - -, therefor.

In column 86, line 58, delete "X₄" and insert - - X₄ - -, therefor.

In column 86, line 60, delete "MIP1^a," and insert - - MIP1a, - -, therefor.

In column 86, line 65, after "binds" delete "MIP1a,".

In column 91, lines 46-47, delete "¹²⁵I-labeled" and insert - - ¹²⁵I-labeled - -, therefor.

In column 93, line 3, delete "Ieu₄" and insert - - Leu₄ - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (11) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 95, line 57, delete "105)," and insert -- 105)), --, therefor.

In column 95, lines 59-60, after "SYRRITSSKSPKEAV" insert -- (SEQ ID NO:105) --.

In column 97, line 58, delete "NO: 3" and insert -- NO: 3) --, therefor.

In column 99, line 36, delete "(3H-D-ala" and insert -- (³H-D-ala --, therefor.

In column 101, line 23, delete "Cys₃" and insert -- Cys₁₃ --, therefor.

In column 103, line 57, delete "IL5" and insert -- IL-5 --, therefor.

In column 190, line 21, in Claim 11, delete "Tip" and insert -- Trp --, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (1) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in field (56), under "Foreign Patent Documents", in column 2, line 10, delete "WO 86/04334 7/1986". (Repeated Entry)

On the face page, in field (56), under "Foreign Patent Documents", in column 2, line 15, delete "WO 92/04372 3/1992". (Repeated Entry)

On page 2, in field (56), under "Foreign Patent Documents", in column 1, line 7, delete "WO 94/20512 9/1994". (Repeated Entry)

On page 2, in field (56), under "Foreign Patent Documents", in column 1, line 23, delete "WO 97/24325 7/1997". (Repeated Entry)

On page 2, in field (56), under "Foreign Patent Documents", in column 1, line 36, delete "WO 98/12324 3/1998". (Repeated Entry)

On page 2, in field (56), under "Other Publications", in column 2, line 33, delete "Escape" and insert - - Escape - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 11, delete "Parmacology," and insert - - Pharmacology, - -, therefor.

On page 3, in field (56), under "Other Publications", in column 2, line 25, delete "Receptof" and insert - - Receptor - -, therefor.

On page 4, in field (56), under "Other Publications", in column 1, line 4, delete "Huamn" and insert - - Human - -, therefor.

On page 4, in field (56), under "Other Publications", in column 2, line 5, delete "Aveoli" and insert - - Alveoli - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

PATENT NO. 7,067,117

No. of additional copies

→ _____

Atty Docket No: 1543.002US1

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (2) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 4, in field (56), under "Other Publications", in column 2, line 62, delete "Cyrstal" and insert - - Crystal - -, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 29, delete "Poetent," and insert - - Potent, - -, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 29, delete "Selecive" and insert - - Selective - -, therefor.

On page 5, in field (56), under "Other Publications", in column 1, line 46, delete "Eosinophilc" and insert - - Eosinophilic - -, therefor.

On page 5, in field (56), under "Other Publications", in column 2, line 18, delete "Ris1" and insert - - Risk - -, therefor.

On page 5, in field (56), under "Other Publications", in column 2, line 53, delete "thereapy" and insert - - therapy - -, therefor.

On page 6, in field (56), under "Other Publications", in column 2, line 22, delete "Stratagies" and insert - - Strategies - -, therefor.

On Sheet 3 of 23, in Fig. 3, delete "ACITITY" and insert - - ACTIVITY - -, therefor.

On Sheet 8 of 23, in Fig. 9, delete "ARBITARY" and insert - - ARBITRARY - -, therefor.

On Sheet 18 of 23, in Fig. 14F, line 16, after "2(1-15)" delete "[".

On Sheet 22 of 23, in Fig. 16C, delete "NORE" and insert - - NOTE - -, therefor.

In column 3, line 2, delete "formula (I):" and insert - - formula (II): - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (3) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 3, line 6, delete "V or 1," and insert - - V or I, - -, therefor.

In column 3, line 11, delete "[[(X⁴)-(Z)-(Z)-(X⁵)]_a-[W-(X¹)-(X⁶)]_b]_c" and insert - - [[(X⁴)-(Z)-(X⁵)]_a-[W-(X¹)-(X⁶)]_b]_c - -, therefor.

In column 6, line 8, delete "NO: 99;" and insert - - NO: 99); - -, therefor.

In column 6, line 9, delete "NO: 100;" and insert - - NO: 100); - -, therefor.

In column 6, line 10, delete "NO: 102)" and insert - - NO: 102). - -, therefor.

In column 6, line 14, delete "THP1" and insert - - THP-1 - -, therefor.

In column 6, line 59, delete "NO: 89;" and insert - - NO: 89); - -, therefor.

In column 7, line 24, delete "³(3-12)[MCP-1](SEQ ID NO: 27)." and insert - - 3(3-12)[MCP-1](SEQ ID NO: 27). - -, therefor.

In column 7, line 32, delete "aomounds" and insert - - compounds - -, therefor.

In column 7, line 62, delete "(C₃C₆)" and insert - - (C₃-C₆) - -, therefor.

In column 7, line 63, delete "(C₃-C₆)alkyl," and insert - - (C₁-C₆)alkyl, - -, therefor.

In column 8, line 7, delete "Rg" and insert - - R^g - -, therefor.

In column 8, line 46, delete "(C₃C₆)" and insert - - (C₃-C₆) - -, therefor.

In column 8, line 52, delete "(C₃C₆)" and insert - - (C₃-C₆) - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (4) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 8, line 53, delete "(C₃-C₆)" and insert - - (C₁-C₆) - -, therefor.

In column 8, line 65, delete "(C₃C₆)" and insert - - (C₃-C₆) - -, therefor.

In column 9, line 10, delete "arboxymethyl," and insert - - carboxymethyl, - -, therefor.

In column 9, line 61, delete "(C₃C₆)" and insert - - (C₃-C₆) - -, therefor.

In column 10, line 2, delete "R_r," and insert - - R_r - -, therefor.

In column 12, line 31, delete "atkyl," and insert - - alkyl, - -, therefor.

In column 12, line 33, delete "R_a and R^b, or R_c and R_d," and insert - - R^a and R^b, or R^c and R^d, - -, therefor.

In column 13, line 37, delete "N(R_c)(R_d);" and insert - - N(R^c)(R^d); - -, therefor.

In column 13, line 41, delete "R_c" and insert - - R^c - -, therefor.

In column 13, line 42, delete "R_h" and insert - - R^h - -, therefor.

In column 17, line 21, delete "(=," and insert - - (IV), - -, therefor.

In column 17, line 23, delete "(XII)," and insert - - (IX), - -, therefor.

In column 19, line 40, delete "GRO α " and insert - - GRO α - -, therefor.

In column 19, line 55, delete "CK β 08," and insert - - CK β 8, - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

MAR 29 2007 MAR 29 2007 MAR 29 2007 MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (5) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 19, line 58, delete "2," and insert - - 90, - -, therefor.

In column 20, line 14, delete "PF4" and insert - - PF-4 - -, therefor.

In column 20, line 37, delete "cne" and insert - - one - -, therefor.

In column 20, line 49, delete " μ L-8]," and insert - - 2[IL-8], - -, therefor.

In column 21, line 51, delete "ther" and insert - - other - -, therefor.

In column 23, line 65, delete "calorimetric" and insert - - colorimetric - -, therefor.

In column 26, line 11, delete " R_c and R_d ," and insert - - R^c and R^d , - -, therefor.

In column 26, line 11, delete "nd" and insert - - and - -, therefor.

In column 26, line 38, delete "rmula" and insert - - formula - -, therefor.

In column 26, line 49, delete "herein" and insert - - wherein - -, therefor.

In column 26, line 60, delete "(C₃-C₆)alkyl," and insert - - (C₁-C₆)alkyl, - -, therefor.

In column 27, line 12, delete "ormula" and insert - - formula - -, therefor.

In column 28, line 31, delete "14," and insert - - 14), - -, therefor.

In column 30, line 17, delete "(Ghimikar " and insert - - (Ghirnikar - -, therefor.

In column 30, line 30, delete "Rheum." and insert - - Rheum., - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (6) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 30, line 32, delete "Pathol." and insert - - Pathol., - -, therefor.

In column 31, line 26, delete " 10^{4-10^6} " and insert - - 10^4 - 10^6 - -, therefor.

In column 31, line 50, delete "Chem." and insert - - Chem., - -, therefor.

In column 32, line 36, delete "glucosamimidase" and insert - - glucosaminidase - -, therefor.

In column 33, line 30, delete "[Ca²⁺]" and insert - - [Ca²⁺]_i - -, therefor.

In column 36, line 38, delete "Ouant." and insert - - Quant. - -, therefor.

In column 38, line 29, delete "ptimal" and insert - - optimal - -, therefor.

In column 38, line 55, delete "Kienow" and insert - - Klenow - -, therefor.

In column 39, line 48, delete "Laboratorv" and insert - - Laboratory - -, therefor.

In column 39, line 56, delete "(SEQ ID:79)," and insert - - (SEQ ID NO:79), - -, therefor.

In column 39, line 57, delete "(SEQ ID NO:77," and insert - - (SEQ ID NO:77), - -, therefor.

In column 39, line 60, delete "(DEQ ID" and insert - - (SEQ ID - -, therefor.

In column 40, line 42, delete "ile₁₁" and insert - - lle₁₁ - -, therefor.

In column 41, line 7, delete "(Mac-I antibodies)" and insert - - (Mac-1antibodies) - -, therefor.

In column 41, line 61, delete "5," and insert - - 265, - -, therefor.

MAILING ADDRESS OF SENDER:

PATENT NO. 7,067,117

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

No. of additional copies

→ _____

Atty Docket No: 1543.002US1

JUN 29 2006

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (7) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 41, line 66, delete "Nickoff et al." and insert - - Nickoff et al. - -, therefor.

In column 42, line 3, delete "JCI," and insert - - (JCI, - -, therefor.

In column 42, line 4, delete "(Allergy" and insert - - (Allergy, - -, therefor.

In column 44, line 10, delete "wellcharacterized" and insert - - well-characterized - -, therefor.

In column 45, line 18, delete "Meth," and insert - - Meth. - -, therefor.

In column 45, line 22, delete "anionexchange" and insert - - anion-exchange - -, therefor.

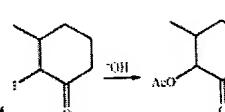
In column 47, line 35, delete "Ch₂NH" and insert - - CH₂NH - -, therefor.

In column 47, line 37, delete "CoCH₂" and insert - - COCH₂ - -, therefor.

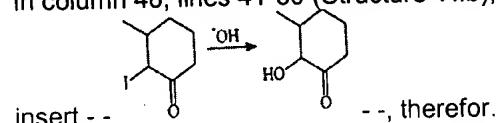
In column 47, line 52, delete "92:39405" and insert - - 97:39405 - -, therefor.

In column 48, line 17, delete "Chem." and insert - - Chem., - -, therefor.

In column 48, line 27, delete "(VI)," and insert - - (VI),.. - -, therefor.



In column 48, lines 41-50 (Structure VIIb), delete "



MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007
MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

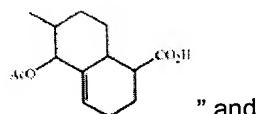
Page (8) of 11

DATED : June 27, 2006

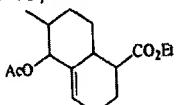
INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

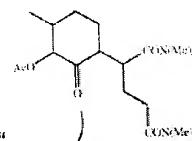
In column 49, line 38, delete "CrO₃" and insert -- CrO₃ --, therefor.



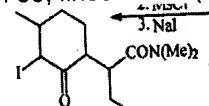
In column 49, line 41–53 (Structure X), delete "



insert -- --, therefor.



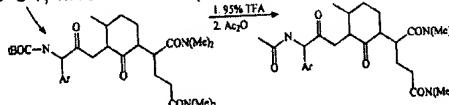
In column 53, lines 1–11 (Structure IV), delete "



insert -- --, therefor.



In columns 53–54, lines 22–33 (Structure IV), delete



and insert -- --, therefor.

MAILING ADDRESS OF SENDER: PATENT NO. 7,067,117

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.

P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

No. of additional copies

→ _____

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

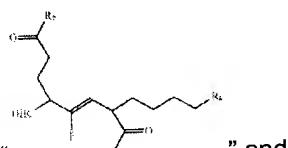
Page (9) of 11

DATED : June 27, 2006

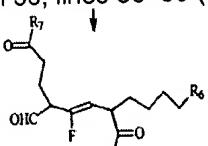
INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 56, line 20 (Structure V), delete "(5)" and insert - - (V) - -, therefor.



In column 56, lines 35–50 (Structure V), delete “ ” and



insert - - 21 - -, therefor.

In column 60, line 15, before "-A2" delete "41" and insert - - 41 - -, therefor.

In column 61, line 1, before "of" insert - - (- - .

In column 61, line 3, delete "epetide" and insert - - peptide - -, therefor.

In column 61, line 4, delete "ike." and insert - - like. - -, therefor.

In column 62, line 14, delete "ntibody" and insert - - antibody - -, therefor.

In column 62, line 16, delete "lycosylation" and insert - - glycosylation - -, therefor.

In column 62, line 25, delete "KA" and insert - - K_A - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

142 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (10) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 65, line 34, delete "SDF-I" and insert - - SDF-1 - -, therefor.

In column 65, line 65, delete "(Example 0.5)," and insert - - (Example 5), - -, therefor.

In column 67, line 50, delete "sclero" and insert - - sclerosis - -, therefor.

In column 67, line 52, delete "Ser₇Glu₉" and insert - - Ser₇Glu₈Glu₉ - -, therefor.

In column 71, line 1, delete "14," and insert - - 145, - -, therefor.

In column 80, line 1, delete "THP1" and insert - - THP-1 - -, therefor.

In column 82, line 62, delete "MIP-1^o" and insert - - MIP-1^a - -, therefor.

In column 86, line 55, delete "X₄," and insert - - x₄, - -, therefor.

In column 86, line 58, delete "X₄" and insert - - x₄ - -, therefor.

In column 86, line 60, delete "MIP1^a," and insert - - MIP1a, - -, therefor.

In column 86, line 65, after "binds" delete "MIP1a,".

In column 91, lines 46-47, delete "¹²⁵I]-labeled" and insert - - ¹²⁵I-labeled - -, therefor.

In column 93, line 3, delete "Ieu₄" and insert - - Leu₄ - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

MAR 29 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,067,117

Page (11) of 11

DATED : June 27, 2006

INVENTOR(S) : Grainger et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 95, line 57, delete "105)," and insert - - 105)), - -, therefor.

In column 95, lines 59-60, after "SYRRITSSKSPKEAV" insert - - (SEQ ID NO:105) - -.

In column 97, line 58, delete "NO: 3" and insert - - NO: 3) - -, therefor.

In column 99, line 36, delete "(3H-D-ala" and insert - - (³H-D-ala - -, therefor.

In column 101, line 23, delete "Cys₃" and insert - - Cys₁₃ - -, therefor.

In column 103, line 57, delete "IL5" and insert - - IL-5 - -, therefor.

In column 190, line 21, in Claim 11, delete "Tip" and insert - - Trp - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
P.O. BOX 2938
Minneapolis, MN 55402

Atty Docket No: 1543.002US1

PATENT NO. 7,067,117

No. of additional copies

→ _____

JUN 29 2007